



Center for Advanced Multimodal Mobility Solutions and Education

UTC Project Information – CAMMSE @ UNC Charlotte	
Project Title	Multimodal Transportation Engineering Curriculum for Middle and High School Students
University	Washington State University
Principal Investigator	Michelle Akin and Xianming Shi
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Funding Sources and Amount Provided (by each agency or organization)	The University of North Carolina at Charlotte: \$59,594 Washington State University: \$29,800
Total Project Cost	\$89,394
Agency ID or Contract Number	
Start and End Dates	10/01/2018 – 09/30/2020
Brief Description of Research Project	The United States' aging transportation infrastructure and workforce has created a high demand for skilled, diverse and multi-disciplinary professionals that can develop new solutions to the nation's transportation problems. Reaching out to middle and high school students about exciting career opportunities within the broad field of transportation is one branch of workforce development that can address these needs. Improving multimodal transportation transfers and demand-responsive needs can increase the appeal of mass transit and more efficiently move people. This project seeks to build awareness and interest in transportation career options by sharing with local youth the



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	<p>positive impacts of transportation in the mobility, safety and economic opportunity of everyone. Participation in hands-on, transportation-themed activities is one way to engage youth and encourage a future supply of transportation professionals.</p> <p>It is the intent of this study to conduct at least six outreach sessions and host a half-day workshop for local middle and high school students with hands-on, multimodal transportation themed activities. The larger goals these activities intend to address are engaging youth to provide a future supply of transportation professionals, and increasing awareness of the advantages of multimodal transportation, including transit, bicycle, ride-share, and personal vehicles.</p>
<p><i>Describe Implementation of Research Outcomes (or why not implemented)</i></p> <p><i>Place Any Photos Here</i></p>	
<p><i>Impacts/Benefits of Implementation (actual, not anticipated)</i></p>	
<p><i>Web Links</i></p> <ul style="list-style-type: none"> • <i>Reports</i> • <i>Project website</i> 	<p>https://cammse.uncc.edu/sites/cammse.uncc.edu/files/media/CAMMSE-UNCC-2019-UTC-Project-Information-15-Akin.pdf</p> <p>https://cammse.uncc.edu/sites/cammse.uncc.edu/files/media/CAMMSE-UNCC-2019-UTC-Project-Report-15-Shi-Final.pdf</p>